

FIELD EFFECT TRANSISTOR FOR MEASURING BIOCOMPONENTS**ABSTRACT**

The invention relates to a device for measuring living cells or similar biocomponents comprising a field effect transistor which is provided with a source, a drain and a channel area placed on a substrate. Said channel area connects said source and drain and is provided with a gate-electrode mounted thereon. The gate electrode has at least two laterally disposed parallel electrode areas which are perpendicular to a direction in which the channel area connects the source to the drain in such a way that they are distant and electrically insulated from each other.